



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 18, 2023

Amy Plato Roberts
Director of Regulatory Affairs
Lallemand Inc.
P.O. Box 990
Hailey, ID 83333

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation
Amendment –Amending the Basic CSF to Incorporate the Old Alternate CSF and to Add
New Inert Sources. Amending the Label to Add Dips to the Commercial Sublabel, to
Make Optional Statements and to Update NOP Claims
Product Name: TreeAzin Systemic Insecticide
EPA Registration Number: 82996-1
Application Date: 5/27/23
Action Code Case Number: 00452511

Dear Ms. Roberts:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 5/27/23.

Any CSFs other than that listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Page 2 of 2

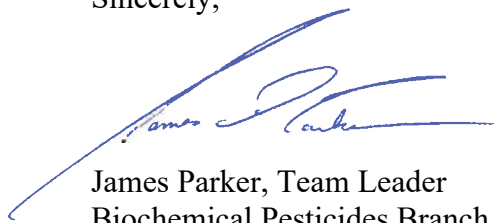
EPA Reg. No. 82996-1

OPP Decision No. 00452511

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

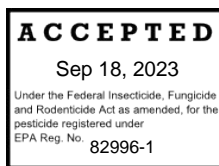
Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Chris Pfeifer of my team by phone at (703) 244-7991 or via email at pfeifer.chris@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "James Parker", is written over a horizontal line.

James Parker, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure



TreeAzin™ Systemic Insecticide (EPA Reg. No. 82996 – 1)

MASTER LABEL

Sublabel A is for Commercial Use

Sublabel B is for Residential Use

TreeAzin™ Systemic Insecticide

A solution containing azadirachtin for tree injections for use with tree injection devices to manage specific insect pests of forests, trees and landscape ornamentals in woodlot, urban and residential environments.

ACTIVE INGREDIENT:

Azadirachtin A + Azadirachtin B* 5%

OTHER INGREDIENTS.....95%

TOTAL.....100%

* Contains 0.42 lbs. of Azadirachtin A + B per gallon (50 gms. per liter)

**KEEP OUT OF REACH OF CHILDREN
WARNING**

| FIRST AID | |
|--|---|
| If in eyes: | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice. |
| If on skin or clothing: | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| If swallowed: | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person. |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Call your poison control center at 1-800-222-1222. For information on product, usage, etc., call 1-888-236-7378, Monday through Friday, 9 a.m. to 5 p.m. (Eastern time).</p> | |

Net Contents: 20 ml, 1 liter (1.06 quart), or 2 liter (2.12 quarts)

EPA Reg. No. 82996 – 1

EPA Est. 50837-CAN-001

[Batch Number]

Manufactured by:
Lallemand Inc.
59 Industrial Park Crescent, Unit 1
Sault Ste. Marie, Ontario P6B 5P3 Canada

TreeAzin™ Systemic Insecticide (EPA Reg. No. 82996 – 1)
Sublabel A: Commercial Use

TreeAzin™ Systemic Insecticide
For Commercial Use

A solution containing azadirachtin for tree injections for use with tree injection devices to manage specific insect pests of forests, trees and landscape ornamentals in woodlot, urban and residential environments.



[add OMRI logo]

ACTIVE INGREDIENT:

Azadirachtin A + Azadirachtin B* 5%

OTHER INGREDIENTS.....95%

TOTAL.....100%

* Contains 0.42 lbs. of Azadirachtin A + B per gallon (50 gms. per liter)

KEEP OUT OF REACH OF CHILDREN
WARNING

| FIRST AID | |
|--|---|
| If in eyes: | <ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. |
| If on skin or clothing: | <ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| If swallowed: | <ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Call your poison control center at 1-800-222-1222. For information on product, usage, etc., call 1-888-236-7378, Monday through Friday, 9 a.m. to 5 p.m. (Eastern time).</p> | |

Net Contents: 20 ml, 1 liter (1.06 quart), or 2 liter (2.12 quarts)

EPA Reg. No. 82996 – 1

EPA Est. XXXX-Y

[Batch Number]

Manufactured by:
Lallemand Inc.
59 Industrial Park Crescent, Unit 1
Sault Ste. Marie, Ontario P6B 5P3 Canada

[Optional marketing claims, may be used on any panel]

- *Pictures illustrating how to determine a trees circumference at breast height and performing the injection (i.e. drilling the hole at the proper angle, depth of drill hole and nozzle and canister placement in the tree etc.) may be added.*
- *Provides two (2) years protection against emerald ash borer.*
- *Injected directly into the tree for minimal personal, animal and environmental exposure.*
- *Rapid uptake and translocation of TreeAzin Systemic Insecticide after being injected into trees.*
- *Effective control of insect pests that consume tree leaves (e.g. spongy moth, tent caterpillars, leaf miners), needles (budworms, sawflies), cambial tissue (e.g. Emerald ash borer) and sucking and piercing insects (e.g. Hemlock woolly adelgid).*
- *Trees saving trees*
- *Plant based*
- *Plant extract*
- *Biopesticide*

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE): Applicators and other handlers must wear:

- Long sleeved shirt and pants
- Shoes plus socks
- Protective eyewear
- Chemical resistant gloves

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing.

PHYSICAL AND CHEMICAL HAZARDS

Extremely flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130 degrees Fahrenheit may cause bursting.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

IMPORTANT: Before using TreeAzin, read this label carefully, as well as the instructions for the tree injection device used to inject TreeAzin. Failure to follow label directions and instructions may lead to unnecessary exposure to the applicator, bystanders and the environment.

This formulation is designed for use with the EcoJect® System for tree injections or with other manufacturers' tree injection devices that meet the label and dosage requirements. Follow the manufacturer's directions for use.

Apply TreeAzin undiluted. TreeAzin is a systemic insecticide. Therefore, to ensure optimum efficacy, it is necessary to inject TreeAzin into the active sapwood.

Injection times will vary by tree species, weather conditions, time of year and time of day, but injection times are improved when trees are maintained and watered.

TreeAzin is not to be applied to trees that will produce food.

Determining Dose

- Using a diameter tape or calipers, determine the tree's diameter in inches at breast height (dbh) (4.5 ft. above ground).
- Multiply the tree's diameter in inches at breast height (dbh) by appropriate dosage (see Application Rates in Trees and Ornamentals chart) to calculate the total dose of TreeAzin for the tree.

Example: Preventative Treatment for Emerald Ash Borer

1. The tree diameter (dbh) is 16 in.
2. Multiply: 16 in. x 5 ml/in. = 80 ml of TreeAzin required

The Injection Hole

- Using a power drill and a 15/64 in. drill bit for the EcoJect® System (for other injection devices, refer to user instructions for drill bit size), drill a hole at a 20 to 45 degree downward angle into the tree approximately 6-12 in. above ground (high helix drill bits are recommended).
- The hole should extend through the bark and be approximately ½ -1 in. deep into the sapwood of the tree.
- Subsequent injection holes should spiral slightly upward around the tree every 5-6 in. so the final hole is no more than 11 in. above the ground.

Application Rates in Trees and Ornamentals

| Pests Controlled | Dosage | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--------------------------------------|--------------------------------------|---------------------------|--------------------------------------|-----------------|--|--------------------------------------|-------------------|--------------------------------------|-----------------|---|-------------------------|--------------------------------------|-------------------|--------------------------------------|-----------------|-----------------|--------------|---------------|----------------|--------------|-------------|--------------|
| COLEOPTERA | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beetles including, but not limited to, Elm Leaf Beetle and Japanese Beetle | 8-12.5 ml per in. dbh | | | | | | | | | | | | | | | | | | | | | | | | |
| Emerald Ash Borer | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="width: 30%; padding: 5px;"> <p>Within a quarantined county, a state quarantine generally-infested area or less than 15 mi. from a known EAB infestation</p> </td> <td rowspan="2" style="width: 15%; padding: 5px;">EAB infested</td> <td style="width: 20%; padding: 5px;">≥ 30% canopy thinning and/or dieback</td> <td style="width: 35%; padding: 5px;">Treatment not recommended</td> </tr> <tr> <td style="padding: 5px;">< 30% canopy thinning and/or dieback</td> <td style="padding: 5px;">12.5 ml/in. dbh</td> </tr> <tr> <td rowspan="2" style="padding: 5px;">Suspicious EAB symptoms or No EAB symptoms</td> <td style="padding: 5px;">≥ 30% canopy thinning and/or dieback</td> <td style="padding: 5px;">12.5 ml/in. dbh *</td> </tr> <tr> <td style="padding: 5px;">< 30% canopy thinning and/or dieback</td> <td style="padding: 5px;">12.5 ml/in. dbh</td> </tr> <tr> <td rowspan="4" style="padding: 5px;"> <p>In a county where EAB has not been detected and greater than 15 mi. from a known EAB infestation</p> </td> <td rowspan="2" style="padding: 5px;">Suspicious EAB symptoms</td> <td style="padding: 5px;">≥ 30% canopy thinning and/or dieback</td> <td style="padding: 5px;">12.5 ml/in. dbh *</td> </tr> <tr> <td style="padding: 5px;">< 30% canopy thinning and/or dieback</td> <td style="padding: 5px;">12.5 ml/in. dbh</td> </tr> <tr> <td rowspan="3" style="padding: 5px;">No EAB symptoms</td> <td style="padding: 5px;">> 16 in. dbh</td> <td style="padding: 5px;">10 ml/in. dbh</td> </tr> <tr> <td style="padding: 5px;">8 - 16 in. dbh</td> <td style="padding: 5px;">8 ml/in. dbh</td> </tr> <tr> <td style="padding: 5px;">< 8 in. dbh</td> <td style="padding: 5px;">5 ml/in. dbh</td> </tr> </table> <p style="font-size: small; margin-top: 5px;">* Tree condition may compromise treatment effectiveness</p> | <p>Within a quarantined county, a state quarantine generally-infested area or less than 15 mi. from a known EAB infestation</p> | EAB infested | ≥ 30% canopy thinning and/or dieback | Treatment not recommended | < 30% canopy thinning and/or dieback | 12.5 ml/in. dbh | Suspicious EAB symptoms or No EAB symptoms | ≥ 30% canopy thinning and/or dieback | 12.5 ml/in. dbh * | < 30% canopy thinning and/or dieback | 12.5 ml/in. dbh | <p>In a county where EAB has not been detected and greater than 15 mi. from a known EAB infestation</p> | Suspicious EAB symptoms | ≥ 30% canopy thinning and/or dieback | 12.5 ml/in. dbh * | < 30% canopy thinning and/or dieback | 12.5 ml/in. dbh | No EAB symptoms | > 16 in. dbh | 10 ml/in. dbh | 8 - 16 in. dbh | 8 ml/in. dbh | < 8 in. dbh | 5 ml/in. dbh |
| <p>Within a quarantined county, a state quarantine generally-infested area or less than 15 mi. from a known EAB infestation</p> | EAB infested | | | ≥ 30% canopy thinning and/or dieback | Treatment not recommended | | | | | | | | | | | | | | | | | | | | |
| | | | < 30% canopy thinning and/or dieback | 12.5 ml/in. dbh | | | | | | | | | | | | | | | | | | | | | |
| | Suspicious EAB symptoms or No EAB symptoms | | ≥ 30% canopy thinning and/or dieback | 12.5 ml/in. dbh * | | | | | | | | | | | | | | | | | | | | | |
| | | < 30% canopy thinning and/or dieback | 12.5 ml/in. dbh | | | | | | | | | | | | | | | | | | | | | | |
| <p>In a county where EAB has not been detected and greater than 15 mi. from a known EAB infestation</p> | Suspicious EAB symptoms | ≥ 30% canopy thinning and/or dieback | 12.5 ml/in. dbh * | | | | | | | | | | | | | | | | | | | | | | |
| | | < 30% canopy thinning and/or dieback | 12.5 ml/in. dbh | | | | | | | | | | | | | | | | | | | | | | |
| | No EAB symptoms | > 16 in. dbh | 10 ml/in. dbh | | | | | | | | | | | | | | | | | | | | | | |
| | | 8 - 16 in. dbh | 8 ml/in. dbh | | | | | | | | | | | | | | | | | | | | | | |
| < 8 in. dbh | | 5 ml/in. dbh | | | | | | | | | | | | | | | | | | | | | | | |
| Weevils including, but not limited to, Beech Leaf Mining Weevil, Red Elm Bark Weevil, and White Pine Weevil | 8-12.5 ml per in. dbh | | | | | | | | | | | | | | | | | | | | | | | | |
| HEMIPTERA | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adelgids including, but not limited to, Hemlock Woolly Adelgid | 8 ml per in. dbh | | | | | | | | | | | | | | | | | | | | | | | | |
| Aphids | 8 ml per in. dbh | | | | | | | | | | | | | | | | | | | | | | | | |
| Scales including, but not limited to, European Elm Scale and Kermes Scale | 8 ml per in. dbh | | | | | | | | | | | | | | | | | | | | | | | | |
| HYMENOPTERA | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sawflies including, but not limited to, Birch Leaf Miner | 5 ml per in. dbh | | | | | | | | | | | | | | | | | | | | | | | | |
| LEPIDOTPERA | | | | | | | | | | | | | | | | | | | | | | | | | |

| Pests Controlled | Dosage |
|---|------------------|
| Caterpillars and Moths including, but not limited to, Brown Tail Moth, Spongy Moth, Jack Pine Budworm, Spruce Budworm, and Tent Caterpillars | 8 ml per in. dbh |
| Leaf Miners including, but not limited to, Arborvitae Leaf Miners and Horse Chestnut Leaf Miner | 8 ml per in. dbh |

Note: dbh is the diameter of the tree in inches at breast height

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place and in such a manner to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Check any plastics for compatibility. Keep container tightly sealed when not in use. Store at 73 degrees Fahrenheit or less. On a hot day, temperatures exceeding 100 degrees Fahrenheit are common in vehicles, especially when windows are closed. Do not expose to high temperatures for more than short periods of time. These actions may result in some degradation of the product. Keep bottles of TreeAzin out of direct sunlight.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling:

- **Plastic Containers:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

Conditions of Sale and Warranty

The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Tree injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of TreeAzin, the manufacturer, or the seller.

To the extent consistent with applicable law, Lallemand Inc. makes no warranty of fitness of this product for any other purpose, beyond its uses under normal conditions in keeping with the statements made on this label.

TreeAzin™ Systemic Insecticide (EPA Reg. No. 82996 – 1)
Sublabel B: Residential Use

TreeAzin™ Systemic Insecticide

A solution containing azadirachtin for tree injections for use with tree injection devices to manage specific insect pests of forests, trees and landscape ornamentals in woodlot, urban and residential environments.



For Organic Gardening

[add OMRI logo]

ACTIVE INGREDIENT:

Azadirachtin A + Azadirachtin B* 5%

OTHER INGREDIENTS.....95%

TOTAL.....100%

* Contains 0.42 lbs. of Azadirachtin A + B per gallon (50 gms. per liter)

KEEP OUT OF REACH OF CHILDREN
WARNING

| FIRST AID | |
|--|---|
| If in eyes: | <ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. |
| If on skin or clothing: | <ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| If swallowed: | <ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Call your poison control center at 1-800-222-1222. For information on product, usage, etc., call 1-888-236-7378, Monday through Friday, 9 a.m. to 5 p.m. (Eastern time).</p> | |

Net Contents: 20 ml, 1 liter (1.06 quart), or 2 liter (2.12 quarts)

EPA Reg. No. 82996 – 1

EPA Est. XXXX-Y

[Batch Number]

Manufactured by:
Lallemand Inc.

59 Industrial Park Crescent, Unit 1
Sault Ste. Marie, Ontario P6B 5P3 Canada

[Optional marketing claims, may be used on any panel]

- *Pictures illustrating how to determine a trees circumference at breast height and performing the injection (i.e. drilling the hole at the proper angle, depth of drill hole and nozzle and canister placement in the tree etc.) may be added.*
- *Provides two (2) years protection against emerald ash borer.*
- *Injected directly into the tree for minimal personal, animal and environmental exposure.*
- *Rapid uptake and translocation of TreeAzin Systemic Insecticide after being injected into trees.*
- *Effective control of insect pests that consume tree leaves (e.g. spongy moth, tent caterpillars, leaf miners), needles (budworms, sawflies), cambial tissue (e.g. Emerald ash borer) and sucking and piercing insects (e.g. Hemlock woolly adelgid).*
- *Trees saving trees*
- *Plant based*
- *Plant extract*
- *Biopesticide*

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Warning: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Extremely flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130 degrees Fahrenheit may cause bursting.

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

IMPORTANT: Please read the entire label and instructions for the TreeAzin Tree Protection System carefully before performing tree injections. Failure to follow label directions and instructions may lead to unnecessary exposure to the applicator, bystanders and the environment.

TreeAzin Tree Protection System: Instructions for Use

TreeAzin is a systemic insecticide. Therefore, to ensure optimum efficacy, it is necessary to inject TreeAzin into the active sapwood.

- Use a tape measure to determine the tree’s circumference to the nearest inch at breast height (4½ feet above ground).
- Refer to the Application Rates in Trees and Ornamentals chart for the appropriate dosage
- Each TreeAzin Tree Protection System canister holds 20 ml of TreeAzin. The correct number of canisters is based on the pest to be treated and the circumference of the tree at 4½ feet above ground.

Injection times will vary by tree species, weather conditions, time of year and time of day, but injection times are improved when trees are maintained and watered.

Application Rates in Trees and Ornamentals

| Tree circumference in inches | Emerald Ash Borer Preventative Treatment | *Emerald Ash Borer Symptomatic or Attacked Tree Treatment | Spongy moth, Tent caterpillars, Leaf miners, Hemlock woolly adelgid, Spruce Budworm, Jack Pine Budworm, Elm Leaf Beetle, European Elm Scale, Red Elm Bark Weevil | Sawflies |
|--|--|---|--|----------|
| Number of canisters (20ml/canister) to be used in Trees and Ornamentals | | | | |
| 9 | 2 | 2 | 2 | 2 |
| 13 | 2 | 3 | 2 | 2 |

| | | | | |
|-----|----|----|----|----|
| 16 | 2 | 3 | 2 | 2 |
| 19 | 2 | 4 | 2 | 2 |
| 22 | 2 | 4 | 3 | 2 |
| 25 | 2 | 5 | 3 | 2 |
| 28 | 2 | 6 | 4 | 2 |
| 31 | 3 | 6 | 4 | 3 |
| 35 | 3 | 7 | 4 | 3 |
| 38 | 3 | 8 | 5 | 3 |
| 41 | 3 | 8 | 5 | 3 |
| 44 | 4 | 9 | 6 | 4 |
| 47 | 4 | 9 | 6 | 4 |
| 50 | 4 | 10 | 6 | 4 |
| 53 | 4 | 11 | 7 | 4 |
| 57 | 5 | 11 | 7 | 5 |
| 60 | 5 | 12 | 8 | 5 |
| 63 | 5 | 13 | 8 | 5 |
| 66 | 5 | 13 | 8 | 5 |
| 69 | 6 | 14 | 9 | 6 |
| 72 | 6 | 14 | 9 | 6 |
| 75 | 6 | 15 | 10 | 6 |
| 79 | 6 | 16 | 10 | 6 |
| 82 | 7 | 16 | 10 | 7 |
| 85 | 7 | 17 | 11 | 7 |
| 88 | 7 | 18 | 11 | 7 |
| 91 | 7 | 18 | 12 | 7 |
| 94 | 8 | 19 | 12 | 8 |
| 97 | 8 | 19 | 12 | 8 |
| 100 | 8 | 20 | 13 | 8 |
| 104 | 8 | 21 | 13 | 8 |
| 107 | 9 | 21 | 14 | 9 |
| 110 | 9 | 22 | 14 | 9 |
| 113 | 9 | 23 | 14 | 9 |
| 116 | 9 | 23 | 15 | 9 |
| 119 | 10 | 24 | 15 | 10 |
| 122 | 10 | 24 | 16 | 10 |
| 126 | 10 | 25 | 16 | 10 |
| 157 | 13 | 31 | 20 | 13 |
| 188 | 15 | 38 | 24 | 15 |

*Emerald Ash Borer - Signs and Symptoms of Symptomatic or Attacked trees – A sign is physical damage to a tree, such as a gallery, a “D” shaped hole, or a feeding notch in the leaf, resulting from attack. A symptom is a tree’s response to attack and includes premature yellowing of foliage, dead branches, thinning crowns, or bark cracks.

The effectiveness of TreeAzin in controlling Emerald ash borer may be reduced when an ash tree has greater than 30% dead braches or thinning crown.

The Injection Hole

- Using a power drill and a 3/16 in. drill bit, drill a hole at a 20 to 45 degree downward angle into the tree approximately 6-12 inches above ground. To facilitate the effective distribution of TreeAzin Systemic Insecticide into the vascular tissue of the tree, use a new, sharp drill bit.
- The hole should extend through the bark and be approximately ½ -1 inches deep into the sapwood of the tree.
- Subsequent injection holes should spiral slightly upward around the tree every 5-6 in. so the final hole is no more than 11 in. above the ground.

The Injection

- Insert the narrow end of the TreeAzin Tree Protection System canister nozzle into the pre-drilled hole and gently tap into place using a rubber mallet. .
- Place the canister gently on the nozzle and screw the canister on the nozzle in a clockwise direction until the nozzle and canister are firmly mated.
- Gently tap the mated nozzle and canister into the drilled hole to ensure the canister is seated properly in the drilled hole.
- Grip the canister firmly and then turn the top cap clockwise ¼ turn.
- The canister will begin to discharge into the injection hole.
- Immediately check the area around the nozzle for signs of leakage:
 - If leakage is observed, carefully hold the canister and tap the canister further into the pre-drilled hole.
 - Repeat if leakage is still observed.
- Repeat the procedure for the rest of the injection sites.
- **When the injection is completed, wait for 1-2 minutes before removing the canister and nozzle. This allows the injection site to de-pressurize and avoids pesticide spillage.**

Carefully read the TreeAzin Tree Protection System “Use Directions” for further information about the System.

STORAGE and DISPOSAL

Pesticide Storage:

Store in a cool dry place out of reach of children and pets and away from direct sunlight, windows, flames and other sources of heat or ignitions.

Pesticide Disposal, and Container Handling:

Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Conditions of Sale and Warranty

The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Tree injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of TreeAzin, the manufacturer, or the seller.

To the extent consistent with applicable law, Lallemand Inc. makes no warranty of fitness of this product for any other purpose, beyond its uses under normal conditions in keeping with the statements made on this label.